(ICS 13.060; 71.060)

SINGAPORE STANDARD Specification for aluminium sulphate

Incorporating Corrigendum No. 1





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Specification for aluminium sulphate

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		Name	Capacity
Chairman	:	Dr Keith Carpenter	Member, Standards Council
Deputy Chairman	:	Dr Tay Kin Bee	Individual Capacity
Secretary 1	:	Ms Elane Ng	Standards Development Organisation@Singapore Chemical Industry Council
Secretary 2	:	Ms Jillian Chin	Standards Development Organisation@Singapore Chemical Industry Council
Members	:	Ms Ang Chin Chin Ms Feng Ruili Mr Khong Beng Wee Mr Koh Min Ee Mr Terence Koh Prof Lee Hian Kee Dr Lee Tong Kooi Mr Leong Kwai Yin	Maritime and Port Authority of Singapore SPRING Singapore Individual Capacity National Environment Agency Singapore Chemical Industry Council Limited National University of Singapore Chemical Metrology Division, Health Sciences Authority Individual Capacity
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Co-opted members	:	Prof Andy Hor A/Prof Thomas Liew Mr Nee Pai How Mr Pitt Kuan Wah	Individual Capacity Individual Capacity Individual Capacity Individual Capacity

The Technical Committee for Chemistry, appointed by the Chemical Standards Committee and responsible for the preparation of this standard, consists of representatives from the following organisations:

		Name	Capacity
Chairman	:	Mr Leong Kwai Yin	Individual Capacity
Secretary	:	Ms Jillian Chin	Standards Development Organisation@Singapore Chemical Industry Council
Members	:	Mr Cheah Sin Moh	Singapore Polytechnic
		Mr Chia Poh Soo	PUB, the National Water Agency
		Ms Veronica Chow	Ministry of Manpower
		Dr Gao Feng	Institute of Chemical and Engineering Sciences
		Dr Goh Chee Keong	Singapore National Institute of Chemistry
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		Dr Ng How Yong	Singapore Water Association
		Ms Ong Kah Kee	Eastman Chemical Singapore Pte Ltd
		Dr Richard Yee Cheong Shin Koy Sien	Health Sciences Authority
		Mr Teah Choon Lee	SPCI Pte Ltd
		Mr Philip Yeo Hock Beng / Mr New Chee Wee	Maritime and Port Authority of Singapore

The Working Group, appointed by the Technical Committee to assist in the review of this standard, comprises the following experts who contributed in their *individual capacity*:

Name

- Convenor : Dr Zhang Lifeng
- Secretary : Ms Jillian Chin
- Members : Mr Thomas Ang Dr Chen Huayi Mr Chiang Dong Pheng Mr Choo Swee Kiat Mr Christopher Chua
 - Mr Lei Zhi Pei
 - Mr Lim Chiow Giap

Members : Dr Jerry Liu Jian Lin Dr Ng How Yong Mr Amos Phua Mr Soo Tiong Hong

The organisations in which the experts of the Working Group are involved are:

Keppel Integrated Engineering PUB, the National Water Agency Sembcorp Industries Limited Setsco Services Pte Ltd Singapore Sanitary Ware Importer and Exporter Association Singapore Water Association Standard Chemical Corporation Pte Ltd TUV SUD PSB Pte Ltd

Contents

Page

Foreword		6
1	Scope and classification	7
2	Normative references	7
3	Requirements	7
4	Sampling and preparation of test samples	8
5	Tests	8
6	Packaging	8
7	Marking	

Annexes

А	Sampling and preparation test sample
В	Determination of water insoluble matter1
С	Determination of water soluble aluminium compound as alumina (Al ₂ O ₃)1
D	Determination of iron (Fe)1
E	Determination of combined sulphuric anhydride (SO ₃)1
F	Determination of free acid as sulphuric acid (H ₂ SO ₄) 1
G	Determination of manganese (Mn) – Inductively coupled plasma optical emission spectrometry (ICP/OES) 1
Н	Determination of arsenic (As) 2
I	Determination of cadmium (Cd), chromium (Cr) and lead (Pb) – Inductively coupled plasma optical emission spectrometry (ICP/OES) 2
J	Determination of mercury (Hg) (cold vapour atomic absorption spectrometry) 2
К	Principles of suitable methods
Tables	
-	

1	Requirements for aluminium sulphate	8
A.1	Minimum number of containers to be selected for sampling from various sizes of lots	9
Figur	res	
I.1	Calculation of the metal concentration in the test solution	26

12	Calculation of the metal concentration in the blank solution	26
1.2		 20

Foreword

This Singapore Standard was prepared by the Working Group appointed by the Technical Committee for Chemistry under the direction of the Chemical Standards Committee.

It is a revision of SS 36 : 1971 (1981). This revision includes the addition of test methods for arsenic (As), manganese (Mn), cadmium (Cd), lead (Pb), mercury (Hg) and chromium (Cr).

In preparing this standard, reference was made to the following overseas publications:

1.	I.S. 260 : 1950	Aluminium sulphate, non-ferric
2.	I.S. 260 : 1969	Aluminium sulphate, non-ferric
3.	Federal Specification O-A-429b : 1966	Aluminium sulphate, technical
4.	JIS K1423 : 1957	Aluminium sulphate
5.	JIS K1450 : 1996	Aluminium sulphate for water works

- 6. British Pharmacopoeia, 1968
- 7. British Pharmaceutical Codex, 1963
- 8. Reagent Chemicals and Standards, 4th edition, 1961 Joseph Rosin

Annexes G and H.2 of this standard are reproduced and adapted from *JIS K 1450 Aluminium sulfate for water works* with permission from JISC.

Annexes H.1, I, J and K are reproduced and adapted from *BS EN 1302 Chemicals used for treatment of water intended for human consumption – Aluminium-based coagulants – Analytical methods* with permission from CEN.

Acknowledgement is made for the use of information from the above references.

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- Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions. Where SSs are deemed to be stable, i.e. no foreseeable changes in them, they will be classified as "Mature standards". Mature Standards will not be subject to further review, unless there are requests to review such standards.
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Specification for aluminium sulphate

1 Scope and classification

1.1 Scope

This standard specifies the requirements for and characteristics of aluminium sulphate used for water treatment and industrial purposes.

1.2 Classification

Aluminium sulphate covered by this specification shall be of the following types:

Type I - for water works

Type II – for industrial uses

2 Normative references

The following referenced documents are indispensable for the application of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 878	Chemicals used for treatment of water intended for human consumption – Aluminium sulfate
EN ISO 3696 (ISO 3696 : 1987)	Water for analytical use – Specification and test methods
ISO 5666-1 : 1983	Water quality – Determination of total mercury by flameless atomic absorption spectrometry – Part 1 : Method after digestion with permanganate-peroxodisulfate
ISO 12846 : 2012	Water quality – Determination of mercury – Method using atomic absorption spectrometry (AAS) with and without enrichment